

## M500K ADDRESSABLE CALLPOINT

### General

The M500K is designed to be used to as a component of a fire control system using System sensor analogue addressable devices. It is a dedicating addressable callpoint for installation on the two wire communication circuit providing both signalling of alarm to the monitoring control panel and local led indication of activation.

### Mounting arrangements

The M500K may be installed in a normal internal environment . It is not intended for use in an externally exposed or hazardous location (refer to your supplier for product recommendations should these applications be involved).

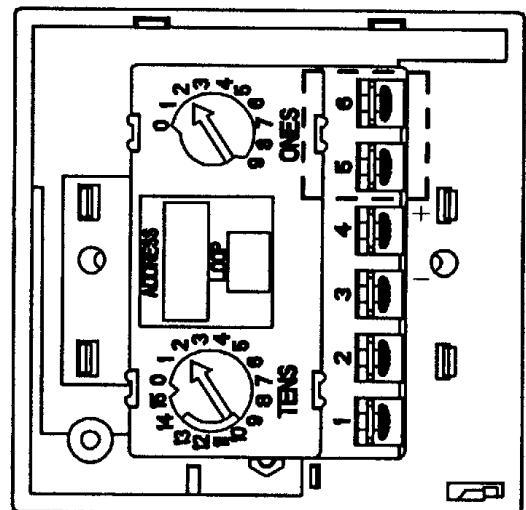
Flush: Will fit to standard 76x76mm<sup>2</sup> box. The mounting space is 60mm .

### Installation

#### Caution

Do not connect circuit wiring to this callpoint , other field devices or the control panel , or apply power to any portion of the system until all necessary wiring polarity, continuity and insulation tests have been performed. All wiring must conform to applicable local and national regulations and codes of practice.

1. Terminal field wiring in the chosen mounting box taking care to maintain continuity of any shielding provided.
2. Rotary the screw under the front cover and remove the cover.  
**Note:** Do not make the glass break off and take it .
- 3 Set the callpoint address according to the designated project drawings, generally,using a flat bladed screwdriver to turn the rotary address switches to the allocated number between 01-99.  
( High bit on the left; low bit on the right )  
**(Note:** Address 00 set at the factory is recognized by the panel as a fault condition)
4. Connect the two wires provided from the callpoint module to the mounting box terminals as followings:  
Positive (+) communication loop: 2 (+)  
Negative(-)communication loop : 1 (-)
5. Fix callpoint to mounting box taking care that all cables are secure and have sufficient clearance. Locate glass in the front of the callpoint and close cover with front fixing screw.



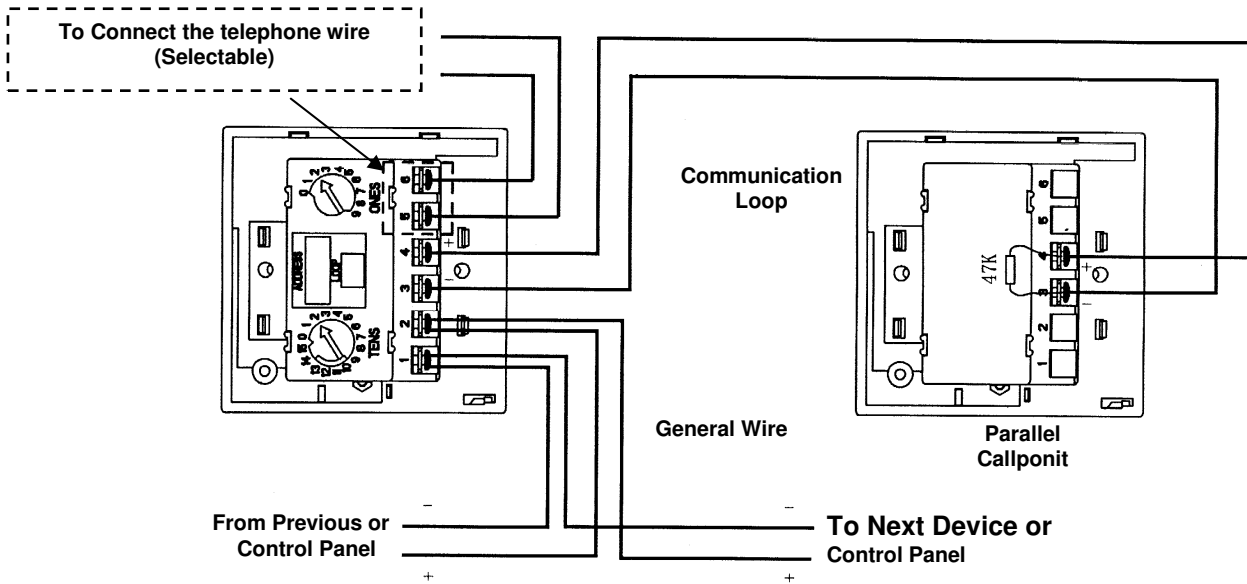
### Test

To test the callpoint insert the supplied test key into the slot at the bottom right hand corner of the callpoint. The glass will drop and simulate operation of the callpoint . At that time , the control panel should display the callpoint in alarm and the indicator light continuously shows that the callpoint is operating properly. To reset the callpoint remove the test key and reset the system from the control panel. DO NOT leave the test key in the callpoint once commissioning /testing is complete.

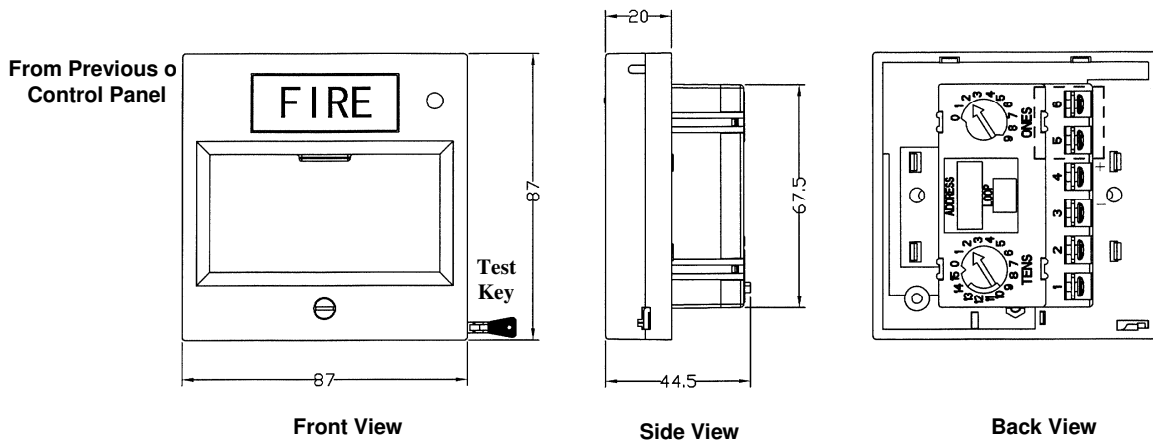
## Parallel installation

To parallel without the addressable callpoint, the terminal 3(-), 4(+) must be used. See the following figure of the system wiring .

**Note:** The last parallel callpoint should wire 47K EOL (Shipping with it ), otherwise the callpoint will set fault alarm. When there are more than one callpoint ,the middle callpoint should take away the 47 K resistor, otherwise the break –off wire will not alarm .



## Mechanical Specifications



## Electrical Specification

Operating Voltage : 15 – 30VDC

Current Rating :

Standby - 200 $\mu$ A

Alarm - 5mA

(LED Rating: Max. 30mA )

Ver.A